**Science Lesson Plans Grade 3 Chapter 12**

**Objective: (ACOS)**

4.) Define force and motion.

•  Identifying forces that change an object's position or motion

Examples: lifting, pushing, pulling

•  Identifying sources of friction

Examples: rubbing hands together, applying sandpaper to wood

•  Describing the force of gravity

5.) Identify the relationship of simple machines to compound machines.

Example: pencil sharpener composed of a wheel and axle, inclined plane, and wedge

**Methods/ Student engagement (procedures and materials)**

Lesson 1: What happens when things change position?

Lesson 2: How does force affect motion?

Lesson 3: How do simple machines affect work?

Students will discover:

* Different ways to describe position and motion
* How force affects motion
* How simple machines work

Students will be recording and defining vocabulary words in their Science Journal/ drawing and coloring pictures/ group and partner discussions/ viewing Magic school bus video about forces and motions / researching simple machines- forces and motion on the internet/ researching simple machines- simple machines through a variety of resources from the library

**Evaluation:**

Daily participation/ Science Journal/ Unit Test